



Welding Career Technical Training Area

Advanced Manufacturing Career Pathway

Welding

The Job Corps Welding career training program takes 8 to 12 months to complete and requires training in the following subject areas:

- Safety and health of welders
- Occupational orientation
- Drawing and welding symbol interpretation
- Welding mathematics
- Welding inspection and testing principles
- Cut and shape base metal with auxiliary equipment
- Flame cut with oxy-fuel
- Machine oxy-fuel gas cutting (track burner)
- Plasma arc cutting
- Air carbon arc cutting
- Weld base metal with shielded metal arc welding (SMAW) equipment
- Weld base metal with gas metal arc welding (GMAW) equipment
- Weld base metal with flux cored arc welding (FCAW) equipment
- Weld base metal with gas tungsten arc welding (GTAW) equipment

Certification:

Students who complete a Job Corps training program are eligible to receive a nationally recognized certificate of completion.

- American Welding Society (AWS) Schools Excelling through National Skills Excellence (SENSE) Certificate

Steps to certification:

Before completing a Welding training program, students should:

- Have the basic math and reading skills necessary to perform the job.
- Complete the core curriculum and pass all written and performance tests.

Average length of training:

8 to 12 months

The salary range for various careers in Welding is:

\$29,000 to \$43,000/year

Green Training



Job Corps students who enter the Welding career technical trade will also train in a variety of green subject areas to prepare for successful careers in the new green economy. Students will develop knowledge and skills in the following green technology and industry practices.

- ✓ OSHA and EPA safety requirements
- ✓ Shop maintenance procedures to reduce waste and promote environmental stewardship
- ✓ Proper cleanup procedures using green materials and products
- ✓ Reduce, Reuse, and Recycle

THE BENEFITS OF JOB CORPS

Industry-recognized certification • Hands-on training and internships • Housing, meals, and basic medical care • Earn while you learn: Biweekly living allowance • Administered by the U.S. Dept. of Labor

What is Job Corps?

- **A residential career training program**
- **Your path to a career in a high-growth industry**
- **A place to earn your high school diploma or GED**
- **Career counseling and support after graduation**



Career Technical Training programs vary at different Job Corps centers.

Administered by the U.S. Department of Labor, Job Corps is the nation's largest career technical training and education program for students ages 16 through 24. Job Corps is a U.S. Department of Labor Equal Opportunity Employer Program. Auxiliary aids and services are available upon request to individuals with disabilities. TDD/TTY telephone number is (877) 889-5627.